

Plants

1-2 The student will demonstrate an understanding of the special characteristics and needs of plants that allow them to survive in their own distinct environments. (Life Science)

1-2.2 Illustrate the major structures of plants (including stems, root, leaves, flowers, fruits, and seeds).

Taxonomy level: 2.2-A Understand Factual Knowledge

Previous/Future knowledge: This is the first time that students have been introduced to the structures of plants. Students will take this information and expand their knowledge of plant structure in 3rd grade (3-2). In 6th grade (6-2), the student will study the structures, processes, and responses of plants that allow them to survive and reproduce.

It is essential for students to know the major structures of plants.

-

Stems The part of the plant that grows out of the ground and supports the leaves, flowers, and fruit

Root The part of the plant that grows in the ground and holds the plant in place

Leaves A flat, usually green part of the plant that grows from the stem

Flowers Flowers have petals that come in many different shapes, sizes, and colors

Fruits The part of the flowering plant that contains the seeds

Seeds The part of the flowering plant that will grow into a new plant

It is not essential for students to know the functions of these structures.

Assessment Guidelines:

The objective of this indicator is to *illustrate* major structures of plants; therefore, the primary focus of assessment should be to give examples of or use illustrations to show aspects of these structures. However, appropriate assessments should also require students to *identify* plant structures from a picture or drawing.